

PPD Series

High Temp Environment

Industrial LED Lighting



5935 West 84th St. | Indianapolis, IN 46278 | 1-888-391-4822 | www.SolasRay.com

Cat. #	Type
Notes	



115°C / 239°F
Max Ambient Temperature!



CERTIFICATIONS / RATINGS



CERTIFIED
UL 1598

IP66



KEY FEATURES AND BENEFITS

- Rugged industrial LED task light engineered for temperature extremes, wet environments, and long term reliability.
- Ambient temperature range of -80°C (-112F) to 115°C (239°F).
- Great solution for punishing environments like inside paper rolling machines.
- Proprietary Driver-on-board (driver-less) LED modules.
- Replaceable LED modules for low long term cost and long fixture life.
- Surge protection: 15kV single / 20kV double / 25kV triple / 30kV quadruple.
- Available in single, double, triple and quadruple configurations.
- High vibration resistance featuring Nord-Lock® washers.
- Optional chemical repellent PVDF coating for extra tough corrosion resistance.
- AWM style 4476 - 600V / 200°C rated power cord / stainless steel cable gland.
- Trade Agreement Act Compliant.
- Radiation hardened version available (PPD-RH Series).
- Wire guard included standard.

SPECIFICATIONS

Voltage	120VAC / 277VAC / 347VAC / 480VAC
Wattage	20W / 35W / 40W / 60W / 70W / 80W 105W / 140W
Color Temp	5000Kelvin
Housing	Die-cast aluminum
Color	Black
Lens	Tempered glass
Ambient Temperature	-80°C (-112F) to 115°C (239°F)
Lifetime	~100,000 hrs L70 @ 65°C ~26,280 hrs L70 @ 105°C
CRI	>70
Beam Angle	110°
Protection	IP66

LUMENS - 20W Modules

PPD-20X1	PPD-20X2	PPD-20X3	PPD-20X4
2,500	5,000	7,500	10,000

LUMENS - 35W Modules

PPD-35X1	PPD-35X2	PPD 35X3	PPD 35X4
4,375	8,750	13,125	17,500

WARRANTY

Ambient Temperature	Warranty Length
65° (149°F) Max Ambient Temp.	5 Year Limited Warranty - L70
85° (185°F) Max Ambient Temp.	3 Year Limited Warranty - L70
115°C (239°F) Max Ambient Temp.	1 Year Limited Warranty - L70

PRODUCT ORDERING SELECTION

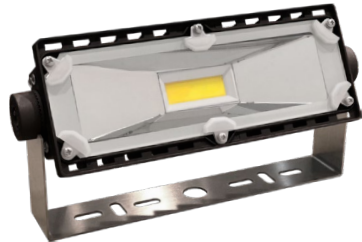
PPD	<input type="text"/>	50	<input type="text"/>	AB	<input type="text"/>
Series	Watts / Modules	Kelvin	Voltage	Mounting Options	Other Options
<input checked="" type="checkbox"/> PPD	<input type="checkbox"/> 20X1 - 20W single <input type="checkbox"/> 20X2 - 40W double <input type="checkbox"/> 20X3 - 60W triple <input type="checkbox"/> 20X4 - 80W quadruple	<input checked="" type="checkbox"/> 50 - 5000K	<input type="checkbox"/> 120 - 120VAC <input type="checkbox"/> 277 - 277VAC <input type="checkbox"/> 347 - 347VAC <input type="checkbox"/> 480 - 480VAC	<input checked="" type="checkbox"/> AB - 180° Adjustable Bracket (304 Stainless Steel)	<input type="checkbox"/> PVDF - Chemical repellent coating
	<input type="checkbox"/> 35X1 - 35W single <input type="checkbox"/> 35X2 - 70W double <input type="checkbox"/> 35X3 - 105W triple <input type="checkbox"/> 35X4 - 140W quadruple				

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MOUNTING OPTIONS

#AB - 180° Adjustable Bracket



Adjustable bracket may be used for ceiling or wall mounting.

Made from 304 Stainless Steel

180° angle adjustment.

OPTIONAL PVDF FINISH

For harsh chemical environments, the Goliath is available with an optional PVDF coating. PVDF is a type of thermoplastic fluoropolymer derived from vinylidene fluoride. It is known for its high chemical resistance, UV resistance, and excellent weatherability.



CHEMICAL AGENT RESISTANCE LIST

Acetamide 50%	Glykol	Salicylic acid
Acetic acid, aqueous solution 5%	Glysantin, aqueous solution 40%	Silicone oils
Acetic acid, aqueous solution 10%	Heating Oil	Soda lye, aqueous solution 50%
Ammonia solution 10%	Hydrachloric acid, aqueous solution 36%	Soda solution, aqueous solution 10%
Benzene	Hydrogen peroxide, aqueous solution 30%	Sodium bisulphate, aqueous solution 10%
Benzine	Ink	Sodium chloride, aqueous solution 10%
Boric acid, aqueous solution 10%	Isopropanol	Sodium nitrate, aqueous solution 10%
Butyl acetate	Lactic acid, aqueous solution 90%	Sodium sulphate 10%
Calcium chloride solution 10%	Linseed oil	Sulphur dioxide
Carbon trachloride	Methanol	Sulphuric acid, aqueous solution 2%
Chloroform	Mythylene chloride	Tartaric acid
Citric acid, aqueous solution 10%	Milk	Tetrahydrofurane
Cupric sulphate 10%	Nitric acid, aqueous solution 2%	Toluene
Cyclohexane	Oxalic acid, aqueous solution 10%	Transformer oil
Diesel Oil	Ozone	Trichlorethylene
Dioxane	Paraffin oil	Vaseline
Edible fats and oils	Perchlorethylene	Wax, molten
Ethanol 96%	Petroleum	Winer, Brandy
Ethyl acetate	Phenol, aqueous solution	Xylene
Ethyl ether	Phosphoric acid concentrate	Zinc chloride, aqueous solution 10%
Formaldehyde, aqueous solution 30%	Potassium dichromate, aqueous solution 10%	
Formic acid, aqueous solution 10%	Propanol	
Glycerine	Pyridine	

WEIGHTS AND DIMENSIONS

WEIGHTS

No. Of Modules	Weight
Single Units	4.30 lb
Double Units	8.36 lb
Triple Units	11.84 lb
Quadruple Units	15.32 lb

